BUTTERFLY VALVE

TYPE 2246: LUG (DVGW GAS)

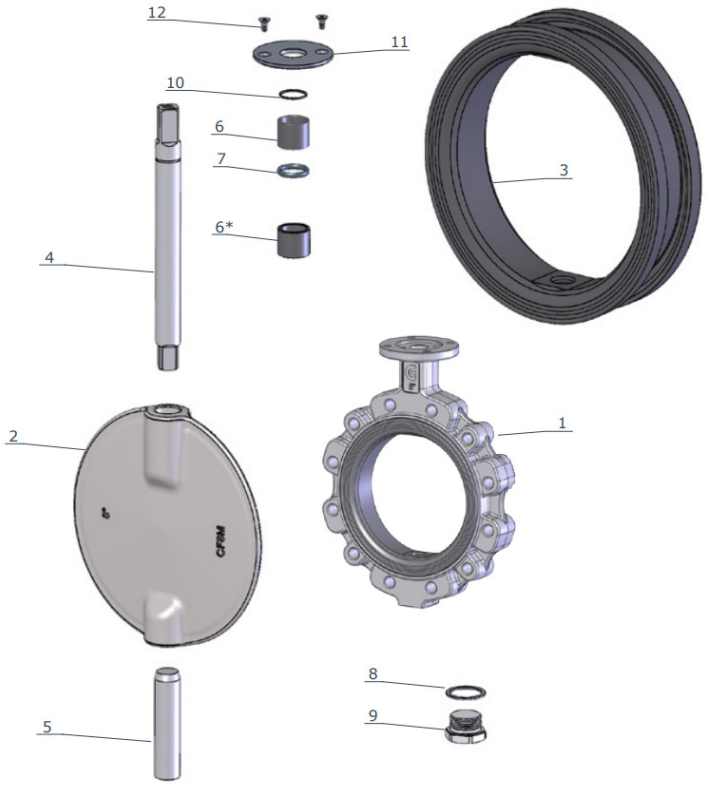
armatec

GENERAL

DIMENSION/PRESSURE:	DN50 - DN150 = PN16 DN200 - DN600 = PN10
MATERIAL BODY:	DUCTILE IRON (GGG40 / EN-GJS400-15)
COUNTER FLANGES:	DN50 - DN150 = PN10/16 DN200 - DN600 = PN10
AMBIENT TEMPERATURE:	-10° TO 60°C
MEDIA TEMPERATURE:	-25° TO 100°C
SURFACE:	EPOXY COATED, CORROSION CLASS C3 COLOUR: RAL 1018
FACE-TO-FACE:	EN558-1
OPERATION:	FREE STEM INCL. MULTI BRACKET

OPTION

OPERATION:	HANDLE, GEAR, ACTUATOR (PNEUMATIC OR ELECTRIC)



POS	DESCRIPTION	MATERIALS
1	BODY	DUCTILE IRON - GGG40
2	DISC	STAINLESS STEEL - CF8M
3	SEAT	NBR RUBBER (DVGW)
4	UPPER STEM	STAINLESS STEEL - AISI 430
5	LOWER STEM	STAINLESS STEEL - AISI 430
6	BUSHING	BRONZE
7	STEM PACKING	NBR RUBBER
8	PLUG PACKING	ALUMINUM
9	THREADED PLUG	ZINC PLATED STEEL
10	STOP RING	STEEL
11	UPPER FLANGE	IXEF (DN40-150) ALUMINUM (DN200-300)
12	SCREWS	ZINC PLATED STEEL

DESCRIPTION

- **Industrial butterfly valve** in very high quality, with DVGW gas approval. EN 10204 3.1. certified.
- **ISO 5211 mounting flanges** enable direct mounting of actuators.
- **Approvals** - the butterfly valves are CE/PED, ATEX approved and with EAC certificate.
- **2 bronze bearings** reduces friction and prolongs service life.
- **Unique plain bearing in the disc** ensures low torque and long service life.
- **Special designed seat** which reduces torque and prolongs service life.
- **Optional** with actuator, gear or handle.
- **The seat is replaceable.**
- **Two-piece stem** resulting in high Kv-value and less turbulence.

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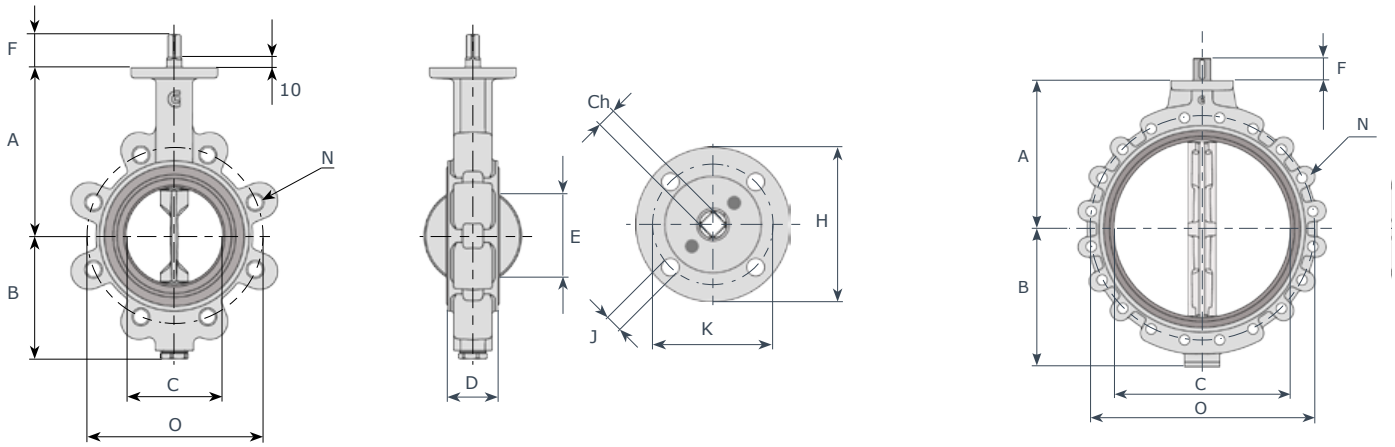
DIMENSIONS



DN 350 - DN 600

DIM	BUTTERFLY VALVES													
[MM]	PN	A [MM]	B [MM]	C [MM]	D [MM]	E [MM]	F [MM]	Ch [MM]	H [MM]	K [MM]	ISO	J [MM]	N - n. - O [MM]	WEIGHT [KG] FREE STEM
DN40	16	130	75	49	33	36	34	11	90	70	F07	9	M16-4-110	3.0
DN50	16	138	81	55	43	35	34	11	90	70	F07	9	M16-4-125	3.7
DN65	16	144	98	68	46	50	34	11	90	70	F07	9	M16-8-145	5.3
DN80	16	158	110	81	46	67	34	11	90	70	F07	9	M16-8-160	6.1
DN100	16	173	128	101	52	87	34	11	90	70	F07	9	M16-8-180	8.1
DN125	16	186	140	126	56	113	34	14	90	70	F07	9	M16-8-210	9.7
DN150	16	202	155	150	56	140	34	14	90	70	F07	9	M20-8-240	11.5
DN200	10	240	190	200	60	191	38	17	125	102	F10	11	M20-8-295	27.0
DN250	10	270	220	250	68	241	38	22	125	102	F10	11	M20-12-350	34.0
DN300	10	300	247	298	78	289	38	22	125	102	F10	11	M20-12-400	49.0
DN350	10	330	280	341	78	332	60	27	150	125	F12	14	M20-16-460	62.0
DN400	10	355	305	390	102	376	60	27	150	125	F12	14	M24-16-515	90.0
DN450	10	400	343	444	114	430	60	27	175	140	F14	18	M24-20-565	170.0
DN500	10	422	366	495	127	479	60	46	210	165	F16	22	M24-20-620	180.0
DN600	10	495	460	595	154	575	75	46	210	165	F16	22	M27-20-725	290.0

VALVE DATA

DIM	KV-VALUE (M³/H 1 BAR ΔP)									
[MM]	MAX. MOMENT [NM]	10°	20°	30°	40°	50°	60°	70°	80°	90°
DN40	16	<1	<1	6	15	29	53	92	115	116
DN50	23	<1	<1	6	15	29	53	92	115	116
DN65	27	<1	3	11	27	51	90	161	240	257
DN80	60	<1	6	21	49	91	156	283	457	508
DN100	72	<1	10	39	88	159	269	487	815	925
DN125	105	<1	15	69	148	262	434	768	1303	1492
DN150	135	<1	23	112	228	394	641	1097	1861	2168
DN200	270	<1	110	211	405	679	1085	1788	3043	3838
DN250	330	21	156	310	591	988	1591	2715	4768	5010
DN300	480	49	280	381	742	1252	2059	3744	6831	9233
DN350	885	123	315	661	1184	2008	3225	5195	9301	10792
DN400	975	161	412	863	1547	2620	4202	6775	12142	14082
DN450	1080	199	511	1069	1916	3248	5218	8412	15048	17840
DN500	1215	246	630	1320	2366	4010	6442	10377	18578	22024
DN600	3450	354	907	1899	3407	5774	9277	14944	26752	31715

Above mentioned torques incl. 50% safety factor
are based on on/off services with gas medium.

Temperature/Pressure

Butterfly valves from Dansk Ventil Center A/S is delivered with different pressure levels and with different liner types. Always check the name plate to ensure correct operation. Pressure systems with flanges
according to EN1092-1 has some limitations. Be careful not to exceed the allowable pressure/temperature limits, as this may cause damage to personal or equipment.

Rubber seat:

Rubber will over time lose flexibility and compression set. The higher the temperature rubber is installed in, the shorter the expected lifespan is.

Our values for temperature is given to the best of our knowledge, and we advise that valves are tested for lifespan if installation is running
near the given temperature limit. If in doubt, please consult us.